



#### **PATENT**

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Frank L. Hall

**Serial No.:** 10/791,190

Filed: March 2, 2004

For: METHODS FOR PREPARING BALL GRID ARRAY SUBSTRATES VIA USE OF

A LASER

Examiner: Unknown

**Group Art Unit: 2812** 

Attorney Docket No.: 2269-4718.3US

(00-0316.03/US)

#### CERTIFICATE OF MAILING

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail on the date of deposit shown below with sufficient postage and in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

June 4, 2004

Date

Deidra Pfeil Name (Type/Print)

# SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached PTO/SB/08 be considered by the Examiner and made of record. Copies of U.S. patents are not being submitted pursuant to Pre-OG Notices <a href="http://www.uspto.gov/web/offices/pac/dapp/opla/preognotice/idswouscopies.htm">http://www.uspto.gov/web/offices/pac/dapp/opla/preognotice/idswouscopies.htm</a> (visited 9/15/2003). Copies of foreign patent documents and non-patent literature are enclosed pursuant to 37 C.F.R. § 1.98(a)(2). The listed documents were cited by the Office in co-pending application Serial No. 10/706,575, filed on November 12, 2003, and directed to a related invention.



V

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicant herein that no other possible material information as defined in 37 C.F.R. § 1.56 (b) exists.

## U.S. Patent Documents

<u>Patentee</u>	Publication Date	U.S. Patent No.	
Loper et al.	03/04/97	5,607,601	
Kitamura et al.	07/01/03	6,587,009	

Applicant offers to supply any explanation or discussion of the documents which the Examiner feels is necessary or desirable and which is requested.

This Supplemental Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits.

Respectfully submitted,

James R. Duzan

Registration No. 28,393

Attorney for Applicant(s)

TRASKBRITT

P.O. Box 2550

Salt Lake City, Utah 84110-2550

Sames R. Suga

Telephone: 801-532-1922

Date: June 4, 2004

JRD/sls:djp

Enclosures: Form PTO-1449 or PTO/SB/08

Copy of documents cited

Document in ProLaw

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO					Complete if Known	
INFORMATION DISCLOSURE		Application Number	10/791,190			
STATEMENT BY APPLICANT				Filing Date	March 2, 2004	
STATEMENT DI ATTERCANT		First Named Inventor	Frank L. Hall			
				Group Art Unit	2812	
	(use as many she	ets as nec	cessary)	Examiner Name	Unknown	
Sheet	1	of	1	Attorney Docket Number	4718.3US (00-0316.03/US)	

		Document Number	D. Historian Day	Name of Patentee or Applicant of	n C1 11 11 n1
Examiner Cite Publication Date Initials * No. 1 Number - Kind Code 2 (if known) MM-DD-YYYY		Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
	<u> </u>	US-5,607,601	03/04/97	Loper et al.	
		US- 6,587,009	07/01/03	Kitamura et al.	-
		US-			
		US-			•
		US-			•
		US-			
		US-			
	1	US-			
		US-			
	1	US-			
		US-			

	FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite	Foreign Patent Document	Publication Date Applicant of	Name of Patentee or	Pages, Columns, Lines,	T⁵	
	No.1	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)		Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear		
	-						
_							
				<del></del>			

Examiner	Date
Signature	Considered

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.